

## PDU 6/10

Weidmüller Interface GmbH &amp; Co. KG

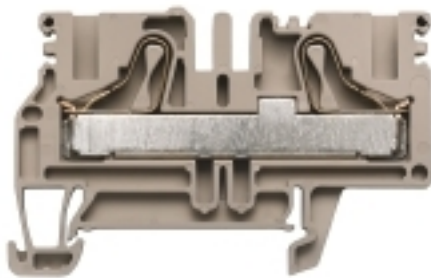
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Product image



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

## General ordering data

Version	Feed-through terminal, PUSH IN, 10 mm <sup>2</sup> , 800 V, 57 A, dark beige
Order No.	<a href="#">1896140000</a>
Type	PDU 6/10
GTIN (EAN)	4032248511181
Qty.	50 pc(s).
Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2023-03-31
Alternative product	<a href="#">1992110000</a>

Creation date February 15, 2023 4:38:55 PM CET

Catalogue status 03.02.2023 / We reserve the right to make technical changes.

## PDU 6/10

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

Depth	40.5 mm	Depth (inches)	1.594 inch
Depth including DIN rail	41.5 mm	Height	64.5 mm
Height (inches)	2.539 inch	Width	8.1 mm
Width (inches)	0.319 inch	Net weight	15.76 g

## Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

## Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

## Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA06ATEX0177U	Certificate No. (IECEX)	IECEXKEM06.0032U
Max. voltage (ATEX)	550 V	Current (ATEX)	36.5 A
Wire cross section max. (ATEX)	6 mm <sup>2</sup>	Max. voltage (IECEX)	550 V
Current (IECEX)	36.5 A	Wire cross section max. (IECEX)	6 mm <sup>2</sup>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
			Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

## System specifications

Version	PUSH IN connection, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

## Additional technical data

Explosion-tested version	Yes	Open sides	right
Type of mounting	Snap-on		

## CSA rating data

Certificate No. (CSA)	200039-175 1332	Current size B (CSA)	46 A
Current size C (CSA)	46 A	Voltage size B (CSA)	600 V
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	14 AWG		

## PDU 6/10

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	10 mm <sup>2</sup>
Clamping range, min.	1.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	10 mm <sup>2</sup>
Connection cross-section, stranded, min.	10 mm <sup>2</sup>	Connection direction	top
Gauge to IEC 60947-1	A4	Number of connections	2
Stripping length	14 mm	Type of connection	PUSH IN
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 16
Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	1.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	10 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	1.5 mm <sup>2</sup>

## General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 16

## Rating data

Rated cross-section	10 mm <sup>2</sup>	Rated voltage	800 V
Rated current	57 A	Current at maximum wires	57 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.56 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	1.82 W
Pollution severity	3		

## UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	8 AWG
Conductor size Factory wiring min. (cURus)	14 AWG	Conductor size Field wiring max. (cURus)	8 AWG
Conductor size Field wiring min. (cURus)	14 AWG	Current size B (cURus)	44 A
Current size C (cURus)	44 A	Voltage size B (cURus)	600 V
Voltage size C (cURus)	600 V		

## Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20	ECLASS 12.0	27-14-11-20

## PDU 6/10

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEx Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">EAC certificate</a> <a href="#">DNVGL certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">CE Declaration of Conformity all terminals</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">Beipackzettel_PDU.pdf</a> <a href="#">Cross Connection Guide</a> <a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

**Data sheet**

**PDU 6/10**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**

